

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,331,368
Dated: February 19, 2008
Inventor: Matthias Gajewski, et al
For: Device for Gluing Together Two Webs of Packaging Material
Atty. Doc. No.: 262-04

***REQUEST FOR A CERTIFICATE OF CORRECTION OF PATENT FOR
PTO MISTAKE (37 C.F.R. 1.322 (A))***

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This request for a Certificate of Correction is being made in order to provide for a better and clearer understanding of the issued patent. The errors noted by the applicant are believed to be errors of clarity. Moreover, the applicant believes the errors were made by the U.S. Patent and Trademark Office based on the file history of the patent application. Specifically, the application as submitted and/or amended by the applicant did not include the current errors. Therefore, the applicant respectfully requests a Certificate of Correction with the attached changes.

Attached is a copy of the front of the patent showing the change. Provided herewith is the Declaration showing that the Office was informed of the correct PCT filing date of June 3, 2006. Also attached is the front of WO 03/106315 showing the correct filing date of June 3, 2006.

No fee is believed to be necessary, but in the event that a fee is required and none is provided herewith, the Office is hereby authorized to charge any additional fee, or credit any overpayment, to our Deposit Account No. 16-0750.

Respectfully submitted,

/JFM/

John F. McNulty
Reg. No. 23,028
Paul & Paul
2900 Two Thousand Market St.
Philadelphia, PA 19103 (215) 568-4900

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,331,368

DATED : February 19, 2008

INVENTOR(S) : Matthias Gajewski, et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front of patent, change PCT Filed Nov. 6, 2003- - to - - PCT Filed June 6, 2003 - -

MAILING ADDRESS OF SENDER (Please do not use customer number

John F. McNulty, Esq., Reg. No. 23,028
Paul & Paul, 2000 Market Street
Suite 2900
Philadelphia, PA 19103
215-568-4900

PATENT NO. 7,331,368

No. of additional copies





US007331368B2

(12) **United States Patent**
Gajewski et al.

(10) **Patent No.:** US 7,331,368 B2
(45) **Date of Patent:** Feb. 19, 2008

(54) **DEVICE FOR GLUING TOGETHER TWO
WEBS OF PACKAGING MATERIAL**

(75) **Inventors:** Matthias Gajewski, Guckingen (DE);
Matthias Moller, Ronneburg (DE);
Ferdinand Scheu, Runkel (DE); Klaus
Specht, Darmstadt (DE); Michael
Heun, Runkel-Dehm (DE)

(73) **Assignee:** Tetra Laval Holdings & Finance S.A.,
Pully (CH)

(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 442 days.

(21) **Appl. No.:** 10/517,233

(22) **PCT Filed:** ~~Nov. 6, 2003~~ June 6, 2003

(86) **PCT No.:** PCT/EP03/05959

§ 371 (c)(1),

(2), (4) **Date:** Dec. 29, 2004

(87) **PCT Pub. No.:** WO03/106315

PCT Pub. Date: Dec. 24, 2003

(65) **Prior Publication Data**

US 2005/0167053 A1 Aug. 4, 2005

(30) **Foreign Application Priority Data**

Jun. 13, 2002 (DE) 102 26 148

(51) **Int. Cl.**

B29C 65/74 (2006.01)

B32B 37/00 (2006.01)

B32B 38/04 (2006.01)

(52) **U.S. Cl.** 156/515

(58) **Field of Classification Search** 156/159,
156/157, 304.6, 73.4, 505, 304.3, 304.5,
156/73.3, 510, 512, 515, 517, 518

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,606,136 A * 8/1952 Garrett et al. 156/504

(Continued)

FOREIGN PATENT DOCUMENTS

DE 2 235 281 7/1972

(Continued)

Primary Examiner—Philip Tucker

Assistant Examiner—Sing P. Chan

(74) *Attorney, Agent, or Firm*—Paul & Paul

(57) **ABSTRACT**

Described is an apparatus for glueing two webs (3, 4) of
packaging material for the production of liquid-tight packs,
wherein each web (3, 4) is covered at least at one side with
a liquid-tight adhesive layer (58, 65) which can be activated
by heat, comprising

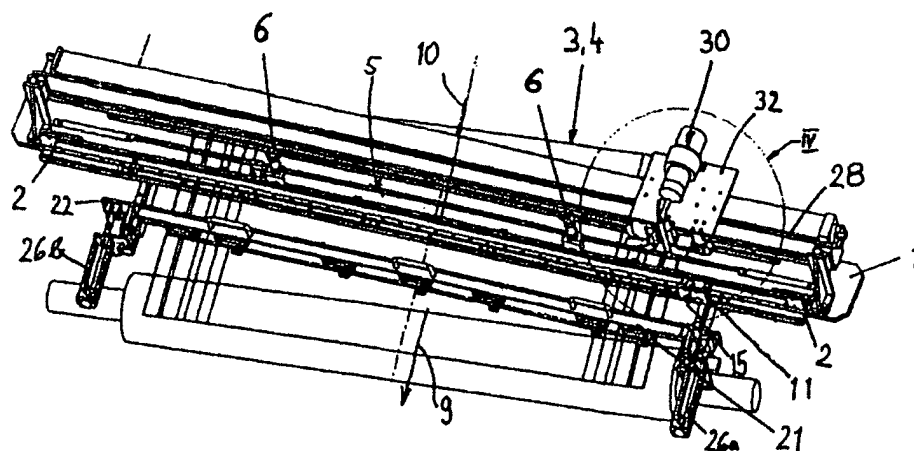
clamping means (5, 21, 27) for clamping the material
webs (3, 4) fast,

a cutting unit (11) for applying an inclined cut (16)
extending substantially transversely with respect to the
material web (3, 4), and

a welding unit (30) for applying heat and pressure for
glueing the material webs (3, 4) along the adhesive strip
(29).

In order when changing an empty roll to a new full roll at the
factory to provide the material web with a factory adhesive
location of adequate quality which ensures a higher and
more reliable level of liquid-tight sealing integrity, it is
provided in accordance with the invention that the welding
unit (30) has a slider (31) which is displaceable along a
transverse rail (28) substantially transversely with respect to
the direction of travel (9) of the material web (3, 4) and on
which are arranged a heating means (33) and therebehind in
the direction of displacement (20) a pressure roller (38).

12 Claims, 6 Drawing Sheets



(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(13) Weltorganisation für geistiges Eigentum
Internationales Büro



(14) Internationales Veröffentlichungsdatum
24. Dezember 2003 (24.12.2003)

PCT

(10) Internationale Veröffentlichungsnummer
WO 03/106315 A1

(5) Internationale Patentklassifikation: B65H 19/18

(6) Internationales Aktenzeichen: PCT/EP03/05959

(7) Internationales Anmeldedatum:
6. Juni 2003 (06.06.2003)

(8) Einreichungssprache: Deutsch

(9) Veröffentlichungssprache: Deutsch

(11) Angaben zur Priorität:
13. Juni 2002 (13.06.2002) DE

(12) Anmelder (für alle Bestimmungsstaaten mit Ausnahme
der USA): TETRA LAVAL HOLDINGS & FINANCE
[CH/CH]: 70, avenue Général-Guisan, CH-1009
Yverdon (CH).

(13) Erfinder; und
Anmelder (nur für USA): GAJEWSKI, Matthias
[DE/DE]: Langstrasse 45a, 65558 Gückingen (DE).

HEUN, Michael [DE/DE]: Josef-Egenolf-Strasse 4, 65594
Runkel-Dehm (DE). MÖLLER, Matthias [DE/DE]: Am
Märzfeld 3, 63549 Ronneburg (DE). SCHEU, Ferdinand
[DE/DE]: Am Heiligen Haus 6A, 65594 Runkel (DE).
SPECHT, Klaus [DE/DE]: Heinrich-Fuhr-Strasse 1,
64287 Darmstadt (DE).

(74) Anwälte: WEBER, Dieter usw.: Postfach 61 45, 65051
Wiesbaden (DE).

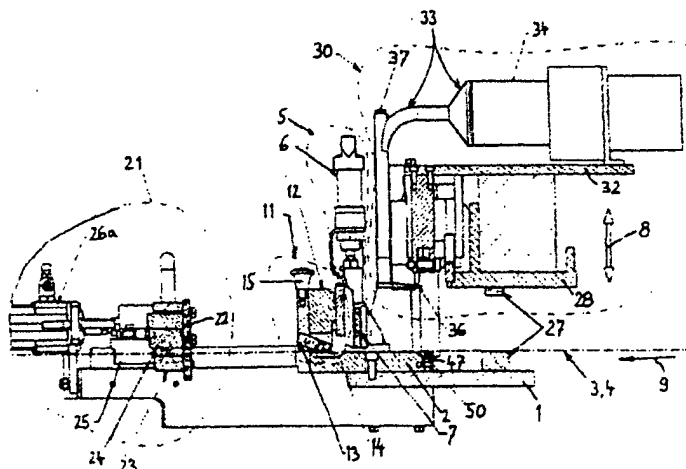
(81) Bestimmungsstaaten (national): AE, AG, AL, AM, AT,
AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Bestimmungsstaaten (regional): ARIPO-Patent (GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW).

[Fortsetzung auf der nächsten Seite]

(15) Title: DEVICE FOR GLUING TOGETHER TWO WEBS OF PACKAGING MATERIAL

(16) Übersetzung: VORRICHTUNG ZUM VERKLEBEN ZWEIER VERPACKUNGSMATERIALBAHNEN



Fact: Disclosed is a device for gluing together two webs (3, 4) of packaging material used for producing liquid-tight pack-
age. One face of each web (3, 4) being coated with a liquid-tight, heat-activated adhesive layer. Said device comprises means
for clamping the webs (3, 4) of material, a cutting mechanism (11) for making a diagonal cut that runs approximately
perpendicular to the web (3, 4) of material, and a welding unit (30) applying heat and pressure for gluing together the webs (3, 4) of
material to form an adhesive strip. In order to provide the effective face of the web of material with an effective adhesive spot which
ensures improved and more reliable liquid tightness when an empty roll is replaced by a new, full roll, the
welding unit (30) is provided with a carriage which is movable along a transverse rail (28) that runs approximately perpendicular to
the direction of conveyance (9) of the web (3, 4) of material and on which a heater (33) and a pressing roller that is arranged behind
the heater (33) in the moving direction are disposed.

[Fortsetzung auf der nächsten Seite]

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **APPARATUS FOR GLUEING TWO PACKAGING MATERIAL WEBS**, which in turn is based on International application No. PCT/EP03/05959, dated June 6, 2003, which in turn is based on German application No. DE 102 26 148.2, dated June 13, 2002 the specification of which is attached hereto.

was filed on as application Serial No. and was
amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>PCT/EP03/05959</u> (Number)	<u>International</u> (Country)	<u>06/06/2003</u> (Day/Month/Year Filed)	<u>XX</u> Yes	<u> </u> No
<u>102 26 148.2</u> (Number)	<u>Germany</u> (Country)	<u>13/06/2002</u> (Day/Month/Year Filed)	<u>XX</u> Yes	<u> </u> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the

first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of the application:

<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status)</u>
		(patent, pending, abandoned)

<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status)</u>
		(patent, pending, abandoned)

I hereby appoint practitioners associated with the *Customer Number 27569* as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Address all telephone calls to John F. McNulty at (215) 568-4900.

Address all correspondence to John F. McNulty at Paul & Paul, 2900 Two Thousand Market Street, Philadelphia, Pennsylvania 19103.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor

Matthias Gajewski

Inventor signature

M. Gajewski

Date 9.12.04

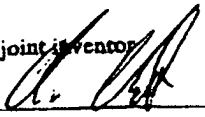
Residence: Langstrasse 45a, 65558 Guckingen, Germany

Citizenship: German

Post Office Address: Langstrasse 45a, 65558 Guckingen, Germany

Full name of second joint inventor

Matthias Moller

Inventor signature 

Date 07.12.04

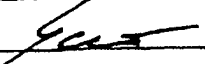
Residence: Am Marzfeld 3, 63549 Ronneburg, Germany

Citizenship: German

Post Office Address: Am Marzfeld 3, 63549 Ronneburg, Germany

Full name of third joint inventor

Ferdinand Scheu

Inventor signature 

Date 7.12.04

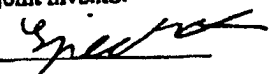
Residence: Am Heiligen Haus 6a, 65594 Runkel, Germany

Citizenship: German

Post Office Address: Am Heiligen Haus 6a, 65594 Runkel, Germany

Full name of fourth joint inventor

Klaus Specht

Inventor signature 

Date 20.12.04


Residence: Heinrich-Fuhr-Strasse 1, 64287 Darmstadt, Germany

Citizenship: German

Post Office Address: Heinrich-Fuhr-Strasse 1, 64287 Darmstadt, Germany

Full name of fifth joint inventor

Michael Heun

Inventor Signature 

Date 13.12.04

Residence: Josef-Egenolf-Straße 4, 65594 Runkel-Dehm, Germany

Citizenship: German

Post Office Address: Josef-Egenolf-Straße 4, 65594 Runkel-Dehm, Germany